## The micrograph of laser treated S55C surface

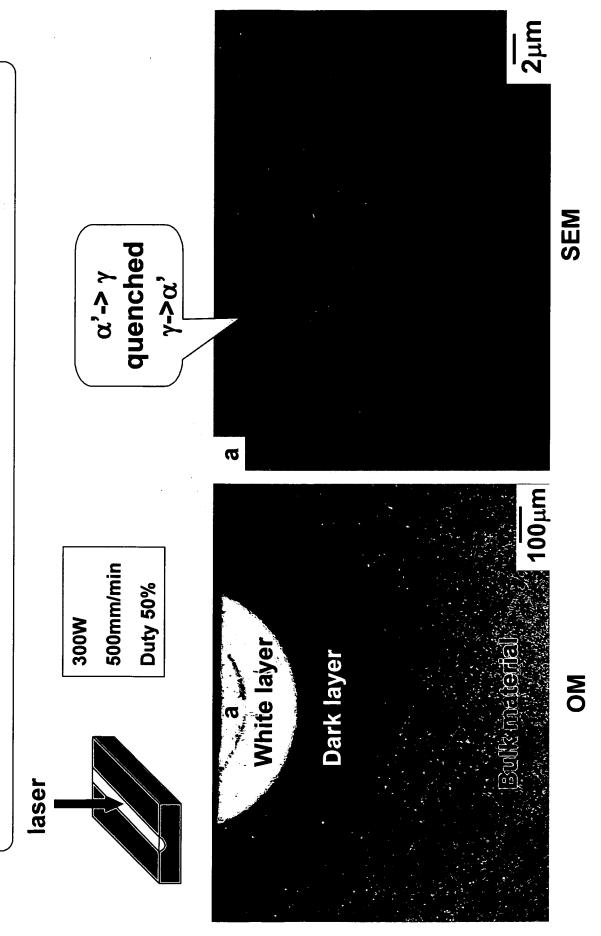
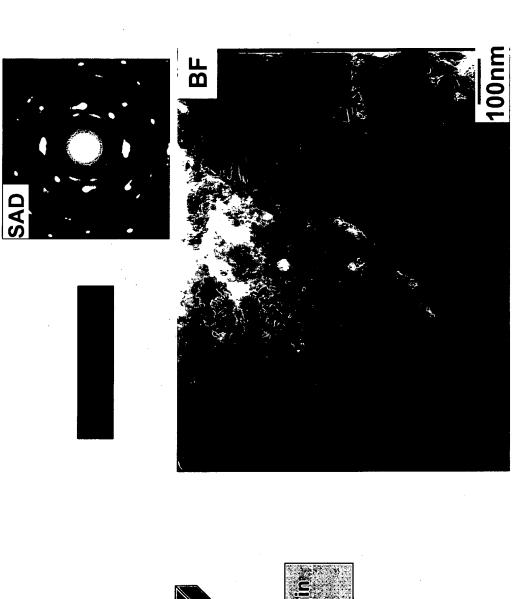


Photo 1

## The TEM images of laser treated \$55C surface



300W, 500mm/

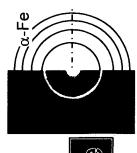
**Duty 50%** 

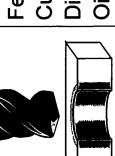
aser

Laser treated surface

## TEM images of the topmost surface generated by hard machining in Fe-0.56%C steel with martensite structure







Feed rate:0.05mm/rev Cutting speed :80m/min Diameter of drill: 5.0 mm

Oilmist cooling

